

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of
Lindqvist, et. al.

Group Art Unit: Unknown --

U.S. National Phase of
PCT/SE00/01049

Examiner: Unknown

Filed: December 7, 2001

Att. Docket No.: 627-1446

For: METHOD AND DEVICE FOR BATTERIES

December 7, 2001

PRELIMINARY AMENDMENT TO BE ENTERED BEFORE CALCULATION OF
CLAIMS FEES AND CONSIDERED PART OF THE ORIGINAL FILING AND
EXPLANATION OF AMENDMENT

Hon. Asst. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Please preliminarily amend the subject application as follows:

IN THE CLAIMS:

Please amend claims 1-13 as follows:

1. (Amended) Method for treatment of accumulators having at least one cell comprising the steps of applying a varying direct current from a charging unit to at least one cell in an accumulator in intermittent current supply periods, which are interrupted by current free pauses, the direct current being sufficient to generate gas in the accumulator, wherein said treatment comprises a regeneration process, wherein said current supply periods have a length of between 0.01 and 0.5 seconds, a current level during said current supply periods amounting to between 80 and 1000 A, said pauses having a length of 1 to 20 seconds; registering process data for at least one cell in the accumulator during the treatment process; and controlling the treatment process with said process data.
2. (Amended) Method according to claim 1, wherein a conductivity in an electrolyte in the cell, and/or a temperature in the electrolyte in the cell [constitutes] comprises said process data.
3. (Amended) Method according to claim 1, wherein sensors for said process data are introduced down into the electrolyte in each cell where process data is to be registered.
4. (Amended) Method according to claim 1, wherein what is controlled during the treatment process is a length of said current supply periods, which may

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